Title (en)
LONG-FIBER THERMOSET COMPOSITE WITH LOW ORANGE PEEL, METHOD FOR PREPARING AND USE OF THIS COMPOSITE

Title (de)
WÄRMEGEHÄRTETER LANGFASER-VERBUNDSTOFF MIT GERINGEM ORANGENHAUTEFFEKT, VERFAHREN ZUR HERSTELLUNG UND GEBRAUCH DIESER VERBUNDSTOFF

Title (fr)
COMPOSITE THERMODURCI À LONGUES FIBRES ET AU REVÊTEMENT FAIBLEMENT RUGUEUX, PROCÉDÉ DE FABRICATION DE CELUI-CI ET SON UTILISATION

Publication
EP 2387490 B1 20150902 (EN)

Application
EP 10731921 A 20100112

Priority
• US 2010000057 W 20100112
• US 20510709 P 20090114

Abstract (en)
[origin: WO2010083024A2] A reinforced polymer composite that includes a Class A surface and method of making are disclosed. A reinforced polymer composite comprises a polymeric barrier layer that comprises a barrier layer first surface, a barrier layer second surface, and a plurality of hard segment domains. A reinforced polymer composite also comprises a reinforced polymeric layer covering at least a portion of the barrier layer first surface, wherein the barrier layer second surface exhibits a Class A quality, and wherein the plurality of hard segment domains substantially suppress deformation of the polymeric barrier layer at a molding temperature of the reinforced polymer composite. Optionally, an in-mold coating that has a Class A surface covers at least a portion of the barrier layer second surface.

IPC 8 full level
B27N 3/00 (2006.01); **B32B 33/00** (2006.01)

CPC (source: EP KR US)
B27N 1/02 (2013.01 - KR); **B27N 1/0218** (2013.01 - KR); **B27N 1/0245** (2013.01 - KR); **B27N 3/00** (2013.01 - KR); **B27N 3/002** (2013.01 - KR); **B27N 3/04** (2013.01 - KR); **B27N 3/083** (2013.01 - KR); **B27N 3/086** (2013.01 - KR); **B27N 3/16** (2013.01 - KR); **B27N 3/20** (2013.01 - KR); **B29C 70/086** (2013.01 - EP US); **B29C 70/18** (2013.01 - EP US); **B32B 33/00** (2013.01 - EP US); **C08L 75/04** (2013.01 - KR); B29K 2995/0022 (2013.01 - EP US); B32B 2305/30 (2013.01 - EP US); Y10T 428/24983 (2015.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010083024 A2 20100722; **WO 2010083024 A3 20101021**; CA 2749131 A1 20100722; CN 102281998 A 20111214; CN 102281998 B 20150311; EP 2387490 A2 20111123; EP 2387490 A4 20121017; EP 2387490 B1 20150902; JP 2012515100 A 20120705; JP 5788333 B2 20150930; KR 101644207 B1 20160729; KR 20110120870 A 20111104; PL 2387490 T3 20160129; US 2012003454 A1 20120105

DOCDB simple family (application)
US 2010000057 W 20100112; CA 2749131 A 20100112; CN 201080004872 A 20100112; EP 10731921 A 20100112; JP 2011546256 A 20100112; KR 20117016206 A 20100112; PL 10731921 T 20100112; US 201013144142 A 20100112